
Product Name: TM2D1 Rabbit Polyclonal Antibody**Catalog #: APRab19025**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	22kDa

Antigen Information

Gene Name	TM2D1 BBP
Alternative Names	
Gene ID	83941.0
SwissProt ID	Q9BX74
Immunogen	Synthesized peptide derived from part region of human protein

Background

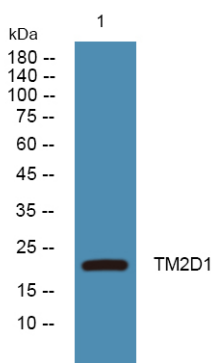
The protein encoded by this gene is a beta-amyloid peptide-binding protein. It contains a structural module related to that of the seven transmembrane domain G protein-coupled receptor superfamily and known to be important in heterotrimeric G protein activation. Beta-amyloid peptide has been established to be a causative factor in neuron death and the consequent

diminution of cognitive abilities observed in Alzheimer's disease. This protein may be a target of neurotoxic beta-amyloid peptide, and may mediate cellular vulnerability to beta-amyloid peptide toxicity through a G protein-regulated program of cell death. Several transcript variants have been found for this gene. [provided by RefSeq, Feb 2016],caution:Was initially thought (PubMed:11278849) to modulate beta-amyloid toxicity by coupling to G protein. However, PubMed:12836168 showed that this effect is not direct.,function:May participate to beta-amyloid-induced apoptosis via its interaction with beta-APP42.,PTM:N-glycosylated.,similarity:Belongs to the TM2 family.,subunit:Interacts with beta-APP42 (beta-amyloid protein 42) peptide of APP.,tissue specificity:Widely expressed.,

Research Area

Cell Biology; Apoptosis; Receptors; Receptor Processing; Signal Transduction; Signaling Pathway; G Protein Signaling; GPCR; Cancer; Cell Death

Image Data



Western blot analysis of lysates from SW480 cells, TM2D1 Rabbit Polyclonal Antibody was diluted at 1:1000, 4° over night